PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER		see Form PCT/ISA/220
RLL-466WO	ACTION	as well	as, where applicable, item 5 below.
International application No.	International filing date (day/month	vyear)	(Earliest) Priority Date (day/month/year)
PCT/IB2004/002654	13/08/2004		14/08/2003
Applicant			
RANBAXY LABORATORIES LIMIT	red		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Sear ansmitted to the International Bureau	ching Auth	nority and is transmitted to the applicant
This International Search Report consists	of a total of she	ets.	
	a copy of each prior art document c		report.
Basis of the report a. With regard to the language, the language in which it was filed, unline to the language.	international search was carried out ess otherwise indicated under this it	on the basem.	sis of the international application in the
The international this Authority (Ru		of a transl	ation of the international application furnished to
b. With regard to any nucleo	otide and/or amino acid sequence	disclosed	in the international application, see Box No. I.
2. X Certain claims were fou	nd unsearchable (See Box II).		
3. Unity of invention is lac	king (see Box III).		
4. With regard to the title ,			
the text is approved as su	ubmitted by the applicant.		
X the text has been establis	shed by this Authority to read as follo	ws:	
PHARMACEUTICAL COMPOSI		AND A	HIGH AMOUNT OF
A WATER-SOLUBLE FILLER	· ·		
1			
1			
		•	,)
5. With regard to the abstract,			
the text is approved as su			W. The spellers
X the text has been establis may, within one month from	shed, according to Rule 38.2(b), by to the date of mailing of this interna	his Author tional sear	ity as it appears in Box No. IV. The applicant rch report, submit comments to this Authority.
6. With regards to the drawings ,			·
a. the figure of the drawings to be		No	
as suggested by		-114	Total a Source
	is Authority, because the applicant f		
	is Authority, because this figure bett	er cnaract	enzes de invendon.
b. none of the figures is to be	pe published with the abstract.		

International application No.

INTERNATIONAL SEARCH REPORT

PCT/IB2004/002654

The present invention relates to pharmaceutical compositions of Nateglinide with 50-70% of water-soluble filler such as lactose alone or in combination with a channeling agent such as sodium chloride or compressible sugar. These compositions may have a dissolution profile wherein at least 70% by weight of Nateglinide is released within 45 minute period.					

INTERNATIONAL SEARCH REPORT

International Application No PCT/IB2004/002654

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K9/20 A61K31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{tabular}{ll} \begin{tabular}{ll} Minimum documentation searched (classification system followed by classification symbols) \\ IPC 7 & A61K \end{tabular}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data, EMBASE, BIOSIS

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х,Ү	EP 0 965 339 A (AJINOMOTO KK) 22 December 1999 (1999-12-22) the whole document paragraphs '0002!, '0005!, '0006!, '0015!, '0020!, '0022!, '0028!, '0032!, '0034!; claims 1,3,4,7,8,11,12; table 1	1-31
Х,Ү	EP 1 258 249 A (AJINOMOTO KK) 20 November 2002 (2002-11-20) the whole document examples 7,10,20	1-31
Х,Ү	US 2003/036479 A1 (AYLWARD PETER T ET AL) 20 February 2003 (2003-02-20) the whole document paragraphs '0027!, '0028!, '0037!, '0039!; claims 6-8	1-31

Y Further documents are listed in the continuation of box C.	Parent tarnily members are inter in aimex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance.	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 E earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or 	 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled
other means *P* document published prior to the international filing date but later than the priority date claimed	in the art. '&' document member of the same patent family
Date of the actual completion of the international search 30 December 2004	Date of mailing of the international search report 11/01/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Luangkhot, N

1

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/002654

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category °	Citation of document, with indication, where appropriate, or the resevant passages	
X,Y	US 6 559 188 B1 (ALLISON MALCOLM ET AL) 6 May 2003 (2003-05-06) cited in the application the whole document column 26, line 24 - column 27, line 55 claim 1; examples 1,4,8	1-31
P,X, Y	WO 03/076393 A (NOVARTIS PHARMA GMBH; NOVARTIS AG (CH); PARKER DAVID JOHN (US); SUTTO) 18 September 2003 (2003-09-18) example 9	1-31
X , Y	XU WEI, YIN LI-FANG: "Preparation and quality investigation of nateglinide dispersible tablets" ACADEMIC JOURNAL OF GUANGDONG COLLEGE OF PHARMACY, vol. 19, no. 1, March 2003 (2003-03), pages 3-6, XP001204563 the whole document abstract	1-31
X,Y	HE XIAO-RONG, HU XIN, YAN XIAO-YAN: "dissolution study of tablets of nateglinide" CHIN HOSP PHARM J, vol. 23, no. 2, February 2003 (2003-02), page 82-84, XP001204565 the whole document abstract	1-31

1

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Although claims 29-31 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.

Continuation of Box II.1

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

Continuation of Box II.2

The wording "water-soluble filler" in present claims 1, 22 and 29 relates to an extremely large number of possible compounds and has thus an obscure and unspecific meaning. For example povidone or carboxymethylcellulose calcium or HPMC or dextrin are known as binders and/or disintegrants, but can also be used as a water-soluble filler. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of claims 3-4.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

HELESWAMONIAL SHARLIE PERCEN

International application No. PCT/IB2004/002654

INTERNATIONAL SEARCH REPORT

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	mational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. χ	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claims 29-31 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. X	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
	see FURTHER INFORMATION sheet PCT/ISA/210
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inte	ernational Searching Authority found multiple inventions in this international application, as follows:
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.	No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark	c on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IB2004/002654

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0965339		22-12-1999	AU	718350	B2	13-04-2000
L. 0500005	••		ΑU	4965497	Α	10-06-1998
			CA	2271865	A1	28-05-1998
			EP	0965339	A1	22-12-1999
			US	6143323	Α	07-11-2000
			US	2003147951	A1	07-08-2003
			US	6296872	B1	02-10-2001
			US	2002028239	A1	07-03-2002
			WO	9822105	A1	28-05-1998
			JP	10194969	Α	28-07-1998
			KR	2000053312	Α	25-08-2000
			TW	492878	В	01-07-2002
EP 1258249	Α	20-11-2002	_ AU	2226901		09-07-2001
			BR	0016801		24-09-2002
			CA	2395993		05-07-2001
	;		EP	1258249		20-11-2002
			HU	0204109		28-05-2003
			NO	20023035		21-08-2002
			SK	9292002		08-10-2002
			US	2003021843		30-01-2003
			CN	1437483	T	20-08-2003
			CZ	20022294		13-11-2002
			WO	0147557		05-07-2001
			PL	356300	A1 	28-06-2004
US 2003036479	A1	20-02-2003	US	2003073577	A1	17-04-2003
US 6559188	B1	06-05-2003	US	2003162816	A1	28-08-2003
WO 03076393	Α	18-09-2003	CA	2478599	A1	18-09-2003
••••			WO	03076393	A1	18-09-2003
			EP	1483232	Δ1	08-12-2004